



IFW

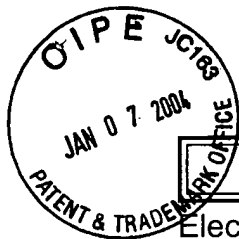
Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 53233
Application ID: 10649513
Title of Invention: Method and Apparatus for
Diagnosing Difficult to Diagnose
Faults in a Complex System
First Named Inventor: C. Unkle
Domestic/Foreign Application: Domestic Application
Filing Date: 2003-08-26
Effective Receipt Date: 2004-01-07
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 5802
Attorney Docket Number: 624226-379




Total Fees Authorized:

Digital Certificate Holder: cn=John L. DeAngelis,ou=Registered Attorneys,ou=Patent and
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 50e1a99fbdb766bd2b76aa01053583dfc3fd98d3

**TRANSMITTAL**

Electronic Version v1.1

Stylesheet Version v1.1.0


Title of Invention	Method and Apparatus for Diagnosing Difficult to Diagnose Faults in a Complex System									
<p>Application Number: 10/649513 </p> <p>Date: 2003-08-26</p> <p>First Named Applicant: C. Richard Unkle</p> <p>Confirmation Number: 5802</p> <p>Attorney Docket Number: 624226-379</p>										
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>										
<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>John L. DeAngelis Jr. Registered Number: 30,622</td><td>/John L. DeAngelis, Jr./</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	John L. DeAngelis Jr. Registered Number: 30,622	/John L. DeAngelis, Jr./	Attorney		
Submitted by:	Elec. Sign.	Sign. Capacity								
John L. DeAngelis Jr. Registered Number: 30,622	/John L. DeAngelis, Jr./	Attorney								
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>GETS379-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>			Documents being submitted	Files	us-ids	GETS379-usidst.xml		us-ids.dtd		us-ids.xsl
Documents being submitted	Files									
us-ids	GETS379-usidst.xml									
	us-ids.dtd									
	us-ids.xsl									
Comments										



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Method and Apparatus for Diagnosing Difficult to Diagnose Faults in a Complex System																																																																																						
<p>Application Number: 10/649513 </p> <p>Confirmation Number: 5802</p> <p>First Named Applicant: C. Unkle</p> <p>Attorney Docket Number: 624226-379</p> <p>Art Unit: 2184</p> <p>Search string: (4258421 or 5442553 or 5528499 or 5631832 or 5650928 or 5650930 or 5713075 or 5809161 or 5842125 or 5845272 or 5884073 or 5884202 or 5926745 or 5949345 or 5950147 or 5988645 or 6028537 or 6058307 or 6094609 or 6104988 or 6112085 or 6161071 or 6169943 or 4270174 or 4463418 or 4517468 or 4695946 or 4823914 or 4970725 or 4977390 or 5113489 or 5123017 or 5274572 or 5282127 or 5321837 or 5329465 or 5400018 or 5445347 or 5508941 or 5528516 or 5594663 or 5633628 or 5638296 or 5661668 or 5666534 or 5678002 or 5742915 or 5463768 or 6415395 or 6343236 or 6012152 or 5107500 or 6513025 or 6324659 or 6338152).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>4258421</td><td>1981-03-24</td><td>Juhasz, et al</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>5442553</td><td>1995-08-15</td><td>Parrillo</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>5528499</td><td>1996-06-18</td><td>Hagenbuch</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>5631832</td><td>1997-05-20</td><td>Hagenbuch</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>5650928</td><td>1997-07-22</td><td>Hagenbuch</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>5650930</td><td>1997-07-22</td><td>Hagenbuch</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>5713075</td><td>1998-01-27</td><td>Threadgill, et al</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>5809161</td><td>1998-09-15</td><td>Auty, et al</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>5842125</td><td>1998-11-24</td><td>Modzelesky, et al</td><td></td><td></td><td></td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	4258421	1981-03-24	Juhasz, et al					2	5442553	1995-08-15	Parrillo					3	5528499	1996-06-18	Hagenbuch					4	5631832	1997-05-20	Hagenbuch					5	5650928	1997-07-22	Hagenbuch					6	5650930	1997-07-22	Hagenbuch					7	5713075	1998-01-27	Threadgill, et al					8	5809161	1998-09-15	Auty, et al					9	5842125	1998-11-24	Modzelesky, et al			
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																																																
	1	4258421	1981-03-24	Juhasz, et al																																																																																			
	2	5442553	1995-08-15	Parrillo																																																																																			
	3	5528499	1996-06-18	Hagenbuch																																																																																			
	4	5631832	1997-05-20	Hagenbuch																																																																																			
	5	5650928	1997-07-22	Hagenbuch																																																																																			
	6	5650930	1997-07-22	Hagenbuch																																																																																			
	7	5713075	1998-01-27	Threadgill, et al																																																																																			
	8	5809161	1998-09-15	Auty, et al																																																																																			
	9	5842125	1998-11-24	Modzelesky, et al																																																																																			

	10	5845272	1998-12-01	Morjaria, et al
	11	5884073	1999-03-16	Dent
	12	5884202	1999-03-16	Arjomand
	13	5926745	1999-07-20	Threadgill, et al
	14	5949345	1999-09-07	Beckert, et al
	15	5950147	1999-09-07	Sarangapani, et al
	16	5988645	1999-11-23	Downing
	17	6028537	2000-02-22	Suman, et al
	18	6058307	2000-05-02	Garner
	19	6094609	2000-07-25	Arjomand
	20	6104988	2000-08-15	Klarer
	21	6112085	2000-08-29	Garner, et al
	22	6161071	2000-12-12	Shuman, et al
	23	6169943	2001-01-02	Simon, et al
	24	4270174	1981-05-26	Karlin, et al
	25	4463418	1984-07-31	O'Quin, II, et al
	26	4517468	1985-05-14	Kemper, et al
	27	4695946	1987-09-22	Andreasen, et al
	28	4823914	1989-04-25	McKinney, et al
	29	4970725	1990-11-13	McEnroe, et al
	30	4977390	1990-12-11	Saylor, et al
	31	5113489	1992-05-12	Cihiwsky, et al
	32	5123017	1992-06-16	Simpkins, et al
	33	5274572	1993-12-28	O'Neill, et al
	34	5282127	1994-01-25	Mii
	35	5321837	1994-06-14	Daniel, et al
	36	5329465	1994-07-12	Arcella, et al
	37	5400018	1995-03-21	Scholl, et al
	38	5445347	1995-08-29	Ng
	39	5508941	1996-04-16	Leplingard, et al
	40	5528516	1996-06-18	Yemini, et al
	41	5594663	1997-01-14	Messaros, et al
	42	5633628	1997-05-27	Denny, et al
	43	5638296	1997-06-10	Johnson, et al
	44	5661668	1997-08-26	Yemini, et al
	45	5666534	1997-09-09	Gilbert, et al

	46	5678002	1997-10-14	Fawcett, et al
	47	5742915	1998-04-21	Stafford
	48	5463768	1995-10-31	Cuddihy, et al
	49	6415395	2002-07-02	Varma, et al
	50	6343236	2002-01-29	Gibson, et al
	51	6012152	2000-01-04	Douik, et al
	52	5107500	1992-04-21	Wakamoto, et al
	53	6513025	2003-01-28	Rosen
	54	6324659	2001-11-27	Pierro
	55	6338152	2002-01-08	Fera, et al

Signature

Examiner Name	Date